

U.S. Appln. No.: 10/554,700  
Atty. Docket No.: P70873US0

~~Claims~~ WHAT IS CLAIMED IS:

### Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

#### Listing of Claims

~~Claim 1.~~ (Currently amended) [[:]] A method for leak-testing ~~components~~ a component having cavities, ~~wherein comprising,~~ on at least one side of the component to be tested, completely wetting with a foam-forming testing liquid at least ~~the~~ an area to be tested ~~is completely wetted with a foam-forming testing liquid,~~ ~~characterized in that~~ subjecting the component ~~is subjected to a~~ temperature increase, ~~and in that subsequently checking the~~ ~~component's~~ component test area ~~to be tested is checked for a~~ bubble formation of the testing liquid.

~~Claim 2.~~ (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that~~ wherein at least the ~~component's~~ component area to be tested is cooled before being wetted with the testing liquid.

~~Claim 3.~~ (Currently amended) [[:]] A The testing method according to claim 2, ~~characterized in that~~ wherein the cooling is effected to -30°C at ~~the~~ most.

~~Claim 4.~~ (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that~~ wherein at least the ~~component's~~ component test area ~~to be tested~~ is heated after having been wetted with the testing liquid.

~~Claim 5.~~ (Currently amended) [[:]] A The testing method according to claim 4, ~~characterized in that~~ wherein at least the ~~component's~~ component test area ~~to be tested~~ is heated by irradiation[[,]] ~~in particular by infrared irradiation, from that side of the component which is located opposite the area to be tested.~~

~~Claim 6.~~ (Currently amended) [[:]] A The testing method according to claim 4, ~~characterized in that~~ wherein the heating is effected to a maximum of 80°C ~~at the most.~~

~~Claim 7.~~ (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that the oppositely arranged sides at least~~ wherein opposed portions of the ~~component's~~ component area to be tested are wetted with the testing liquid.

~~Claim 8.~~ (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that the~~ wherein sites exhibiting bubble formation are marked.

Claim 9. (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that~~ wherein the testing liquid is applied by brushing to at least the ~~component's~~ component area to be tested.

Claim 10. (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that~~ wherein the testing liquid is applied by spraying to at least the ~~component's~~ component area to be tested.

Claim 11. (Currently amended) [[:]] A The testing method according to claim 1, ~~characterized in that~~ further comprising after said testing, a step of removing the testing liquid ~~is removed~~ by washing[[:]] ~~preferably with water~~.

Claim 12. (Currently amended) [[:]] A The testing method according to claim 11, ~~characterized in that~~ wherein the washing ~~process~~ step is effected under pressure.

Claim 13. (Currently amended) [[:]] A The testing method according to claim 11, ~~characterized in that~~ wherein the washing ~~process~~ step is mechanically assisted.

14. (New) The testing method according to claim 5, wherein the irradiation is infrared.

U.S. Appln. No.: 10/554,700  
Atty. Docket No.: P70873US0

15. (New) The testing method according to claim 11, wherein the washing step is effected with water.